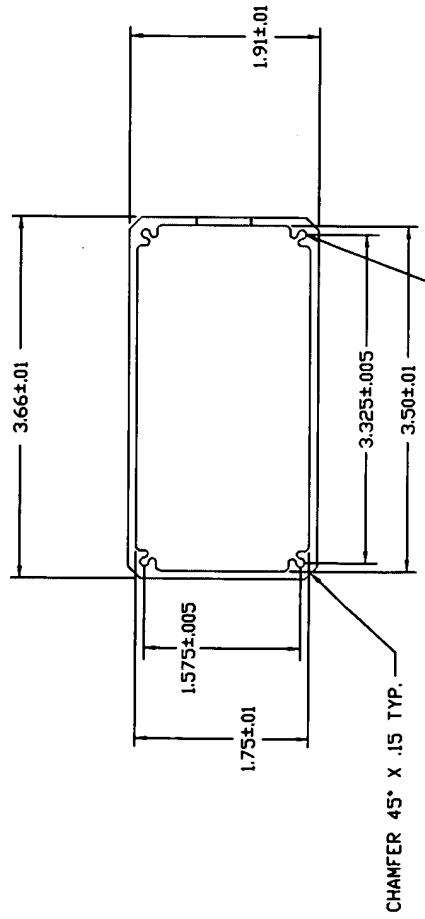
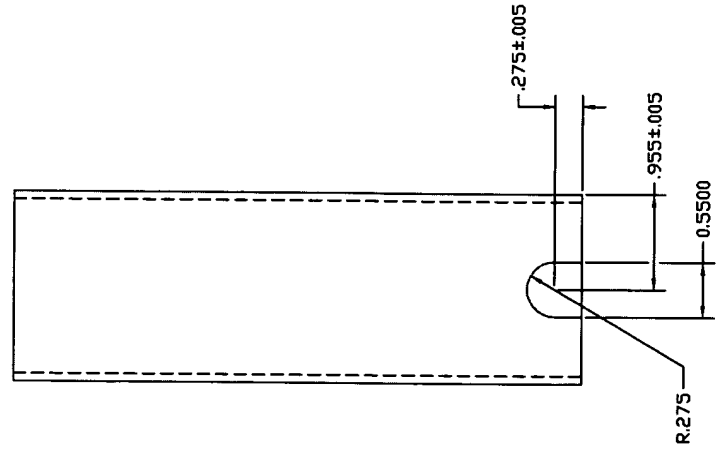
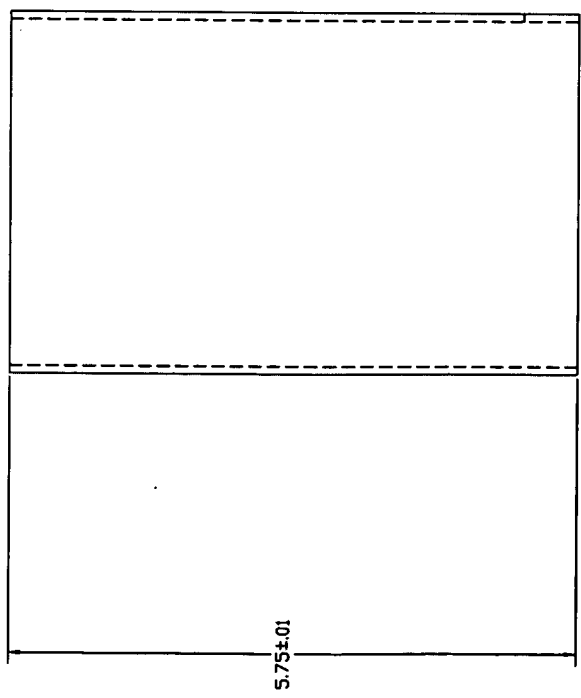


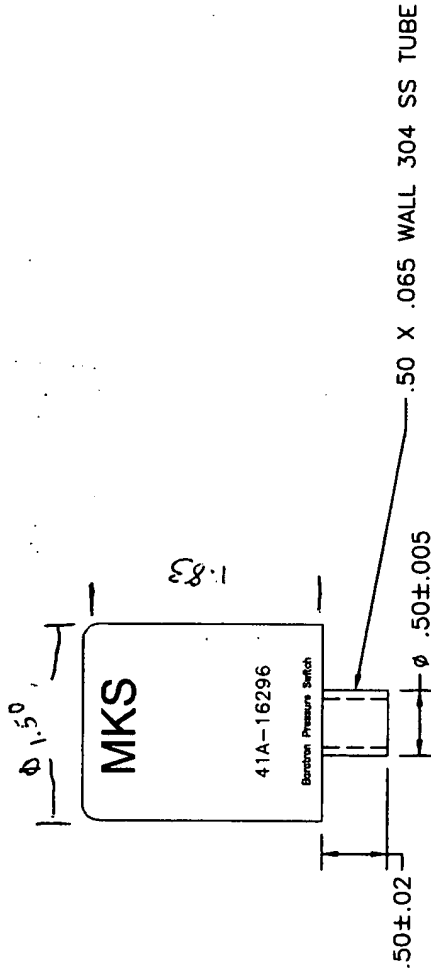
ECO

REV DESCRIPTION

DATE

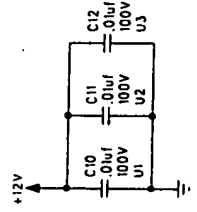


ITEM	QTY	U/M	DESCRIPTION	DOC	DRAWING NUMBER
<p>TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS - ±.005 INCH DECIMALS - ±.01 INCH ANGLES - ±.5° SURFACES - 32 BREAK ALL CORNERS DIM INCH MAX SURFACES $\sqrt{\text{R}}$</p>					
<p>The information contained on this drawing was obtained and is the property of HPS Division of MDS Instruments, Inc. HPS reserves the right to make changes in this drawing without notice. The purchaser shall be responsible for obtaining the correct information and for the use of this drawing. HPS Division of MDS Instruments, Inc., 1400 Spring St., Boulder, CO 80501, USA.</p>					
<p>HPS Division MDS INSTRUMENTS, INC.</p>					
<p>ORGANIZATION 4-14-99 DATE ORGANIZATION S.KLUECKMAN DESIGNER ORGANIZATION NA CHECKER ORGANIZATION NA DRAFTER</p>					
<p>SCALE 1=1</p>					
<p>BARATRON, CASE</p>					
<p>SHEET 1 OF 1</p>					
<p>DRAWING NUMBER 100010690</p>					
<p>REV 1</p>					



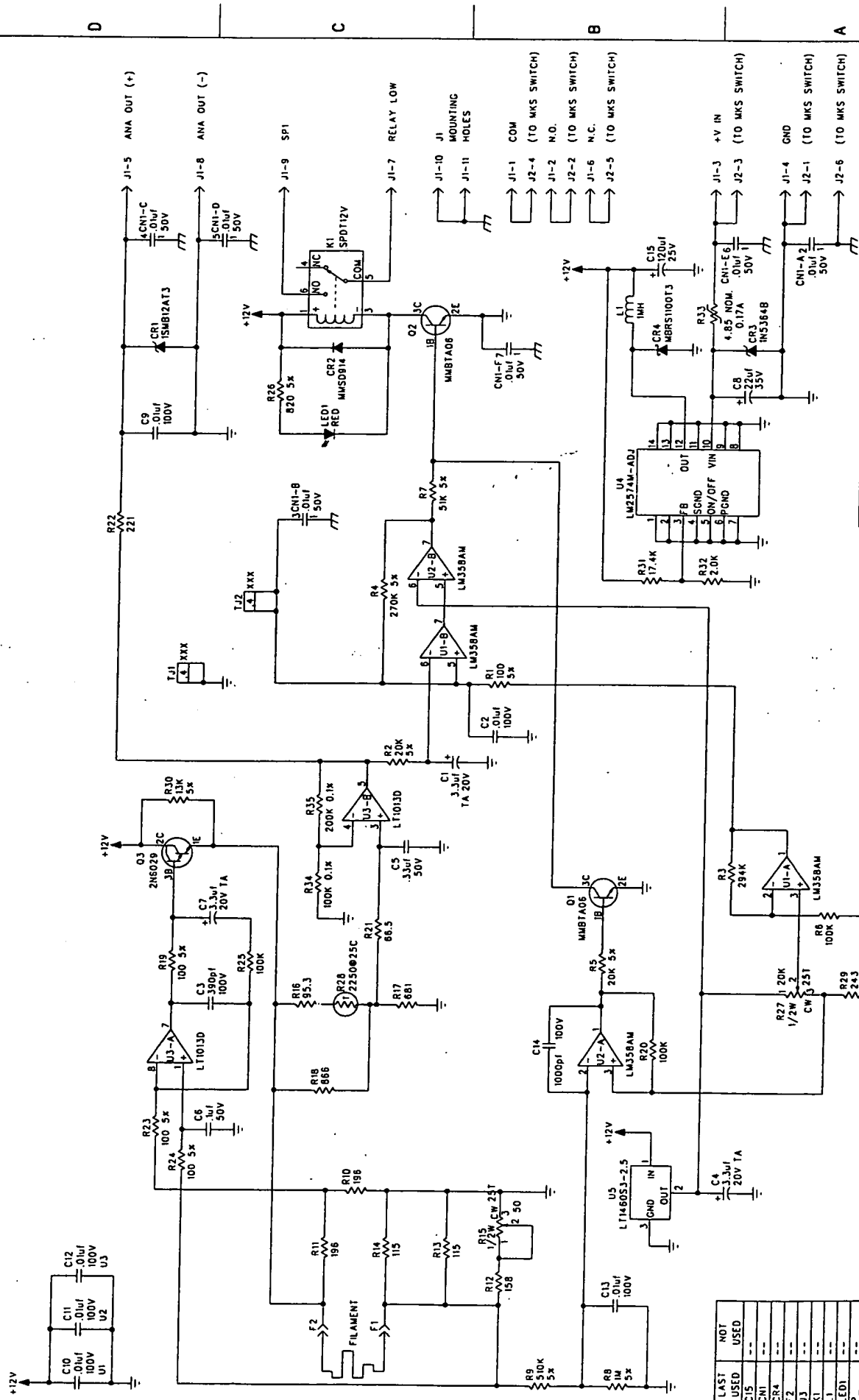
ITEM	QTY	U/M	DESCRIPTION	DOC	DRAWING NUMBER
			ORGANIZATION DATE	8/26/99	SCALE 1=1
			ORGANIZING ENGINEER	J. MUELLER	REVISION ENGINEER N/A
			ORGANIZING DRAFTER	J. MUELLER	REVISION DRAFTER N/A
<p>The information disclosed on this drawing was originated and is the property of HPS Division of MKS Instruments, Inc. HPS reserves all rights in this information, and no part thereof may be reproduced or used in any form without the written approval of HPS Division of MKS Instruments, Inc., 5330 Sterling Dr., Boulder, CO 80301, USA.</p>					
<p>TOLERANCES UNLESS OTHERWISE SPECIFIED</p> <p>X.X = ±.1 INCH</p> <p>X.XX = ±.01 INCH</p> <p>X.XXX = ±.005 INCH</p> <p>ANGLES = ±.5°</p> <p>© .005 TR</p> <p>BREAK ALL CORNERS .015 INCH MAX</p> <p>SURFACES $\sqrt{\text{R}}$</p>			<p>BARATRON PRESSURE SW. MODIFIED</p>		
<p>HPS</p> <p>Division</p> <p>MKS INSTRUMENTS, INC.</p>			<p>SHEET 1 OF 1</p>		
			<p>41A-16296 MKS SW. A</p>		

REF DES	DEVICE	+12V GND DE-COUP CAPS
U1, U2	LM358AM	B 4 C10, C11 .01uF
U3	LT1013D	6 2 C12 .01uF
U4	LM2574M-ADJ	- 4, 5 -



STDOFF1-9322

STDOFF1-9322

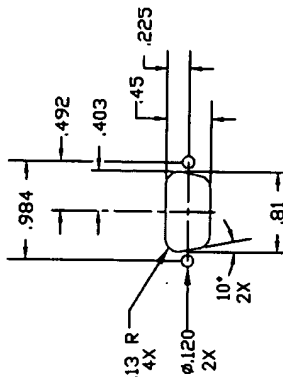
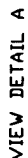


ECO		REV DESCRIPTION		DATE	
000000		X XXXXXXXXXXXXX		00-00-1999	

REFERENCE BLOCK		DOCUMENT		DWG NO	
FAS/PCB		100010480		100010479	
ASSEMBLY		100010480		100010479	

HPS		SCH, PCB, ATM SWITCH, SMT		SHEET 1 OF 1	
DIVISION		100010480		100010479	
DESIGNED BY		B. LYON		SCALE 1 = 1	
CHECKED BY		B. LYON		DATE 12-13-1999	
APPROVED BY		B. LYON		DATE 12-13-1999	

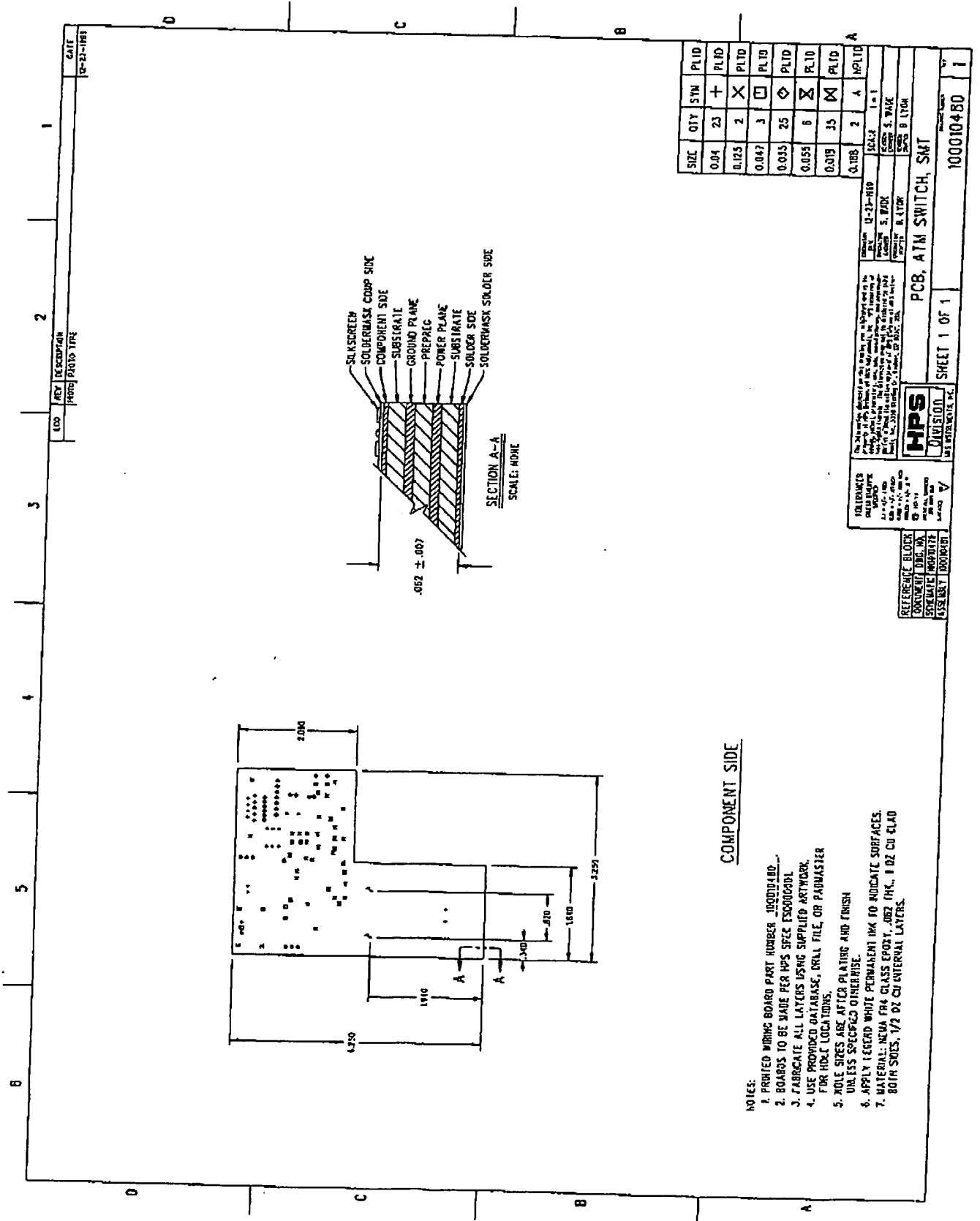
The information furnished on this drawing was prepared and is the property of HPS. It is to be used for the specific project and no other use without the written consent of HPS. HPS assumes no responsibility for the use of this drawing for any other project or for the results of any use of this drawing for any other project.

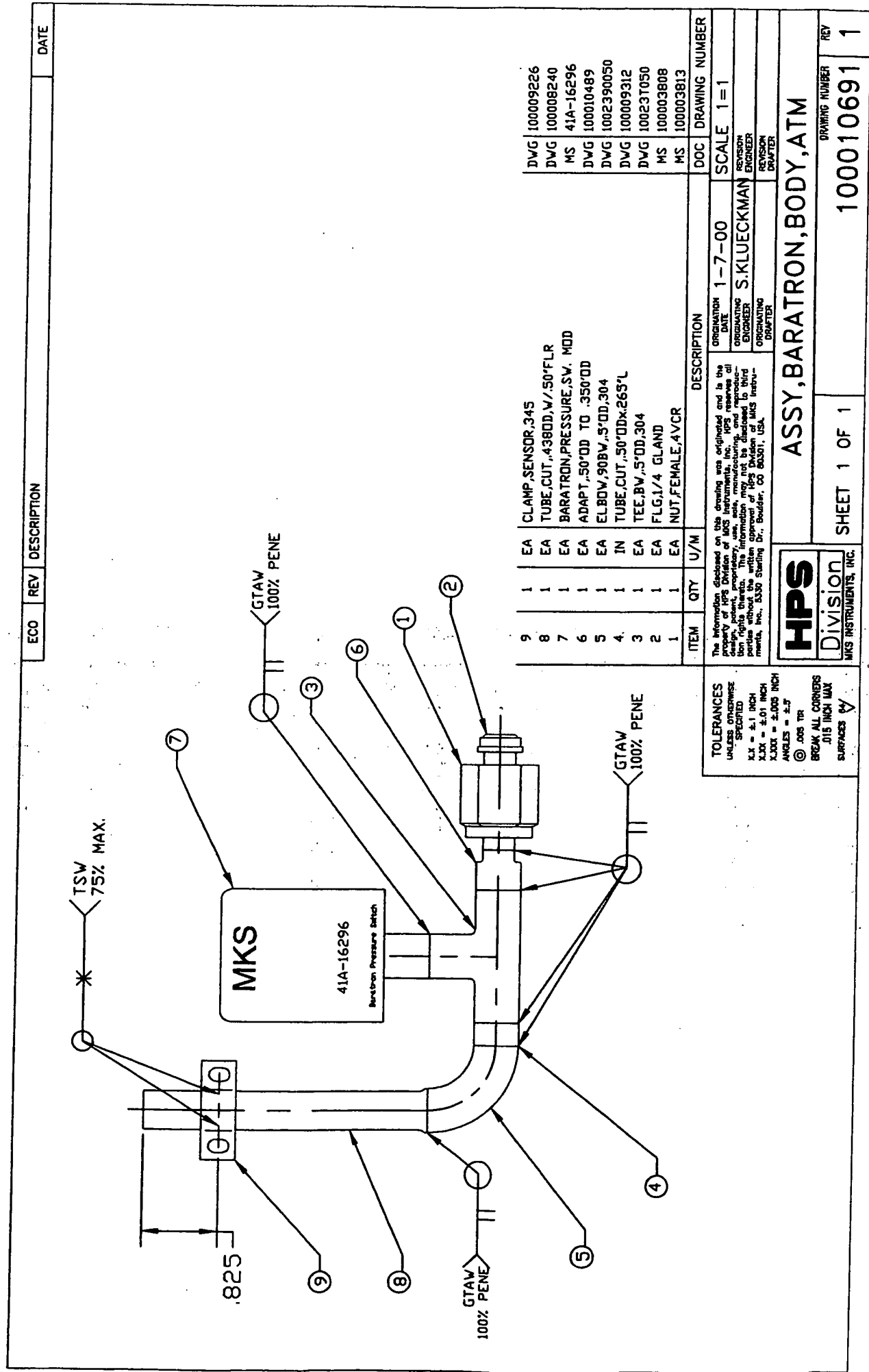


DETAIL A 

1. PART TO BE FREE OF OIL & DIRT.
2. PANEL TO BE FREE OF BURRS AND SURFACE DEFECTS.
3. USE STANDARD D-SUB PUNCH, TO BE PRE-APPROVED BY HPS.
4. PART TO TREATED PER AA-M10A232 COMMERCIAL GRADE SURFACE W/BLACK ANODIZE FINISH 0.0002" THICK. MIN.

[illegible]





ECO REV DESCRIPTION

DATE

ITEM	QTY	U/M	DESCRIPTION	DOC	DRAWING NUMBER
9	1	EA	CLAMP, SENSOR, 345	DWG	100009226
8	1	EA	TUBE, CUT, 4380D, W/ 50' FLR	DWG	100008240
7	1	EA	BARATRON, PRESSURE, SV. MOD	MS	41A-16296
6	1	EA	ADAPT, 50' OD TO .350' OD	DWG	100010489
5	1	EA	ELBOW, 90BW, 5' OD, 304	DWG	10002390050
4	1	IN	TUBE, CUT, 50' OD x 265' L	DWG	100009312
3	1	EA	TEE, BW, 5' OD, 304	DWG	100231050
2	1	EA	FLG, 1/4 GLAND	MS	100003808
1	1	EA	NUT, FEMALE, 4VCR	MS	100003813

TOLERANCES
UNLESS OTHERWISE
SPECIFIED
X.X = ±.1 INCH
X.XX = ±.01 INCH
X.XXX = ±.005 INCH
ANGLES = ±.5°
© 2005 TR
BREAK ALL CORNERS
Ø15 INCH MAX
SURFACES

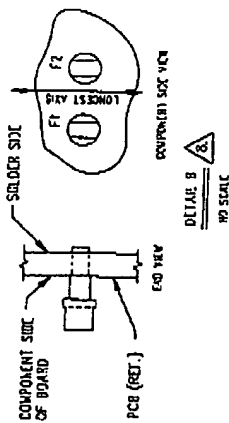
The information disclosed on this drawing was originated and is the property of HPS Division of MKS Instruments, Inc. HPS reserves all rights, patent, proprietary, use, sale, manufacturing, and reproduction. No part of this information may be disclosed to third parties without the written permission of HPS Instruments, Inc., 5330 Sterling Dr., Boulder, CO 80501, USA.

HPS
Division
MKS INSTRUMENTS, INC.

ASSY, BARATRON, BODY, ATM

SHEET 1 OF 1
DRAWING NUMBER 100010691
REV 1

COMPONENT SIDE

[illegible]